

REMARKS

Claims 1-33 were rejected under 35 U.S.C. §102(e) as being anticipated by US Pat. 6,577,967 (Mo et al.) Amended Claim 9 describes a method for optimizing the display of Doppler ultrasound information comprising receiving Doppler signal information, including at least some Doppler signal information which is not used to produce a displayed Doppler image; processing Doppler signal information for display of a Doppler image in a display area; and analyzing Doppler signal information which is not used to produce a displayed Doppler image to optimize at least one of the display parameters of the PRF, the color baseline, the color range polarity, or the range of color pixel values for display of the processed Doppler signal information in the display area. This technique uses "hidden" Doppler information which is not used to form the displayed image to optimize the display parameters, such as specially transmitted Doppler signals or undisplayed spectral Doppler tracing information. The ultrasound system described in the Mo et al. patent acquires Doppler information, then uses the information to produce images. The same information is used for optimization including both forward and reverse flow direction data and FFT Doppler data used to create and/or compared with a noise threshold. Nowhere do Mo et al. show or suggest the use of Doppler data which is not used in the displayed image for optimization. Accordingly it is respectfully submitted that Claim 9 and its dependent Claims 10-17, 19, and 23 are not anticipated by Mo et al. Claim 18, which recited the limitation added to Claim 9, has been canceled. The other claim amendments have been made to conform the language of the dependent claims to the language of amended Claim 9.

In view of the foregoing amendment and remarks it is respectfully submitted that Claims 10-17, 19, and 23 are not anticipated by Mo et al. Accordingly it is

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respectfully requested that the rejection of Claims 10-17, 19, and 23 under 35 U.S.C. §102(e) be withdrawn.

In light of the foregoing amendment and remarks, it is respectfully submitted that this application is now in condition for allowance. Favorable reconsideration is respectfully requested.

Respectfully submitted,

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